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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/819,292	03/27/2001	Anurag Prakash	42390P/1088	4051

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EXAMINER

DATSKOVSKIY, MICHAEL V

ART UNIT PAPER NUMBER

2835

DATE MAILED: 11/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/819,292

Applicant(s)

PRAKASH, ANURAG

Examiner

Michael Datskovsky

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133)
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 November 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 11/06/2002 have been fully considered but they are not persuasive. First: Although Haneda et al does not specify which internal components are located in a main body and a lid body of a portable computer, from the fact that the lid body comprises a planar LCD display it is inherent that not only the main body but the lid body also comprises some set of internal electronic components usually provided behind planar LCD displays (circuit board with electronic components to control said LCD display). Second: It is inherent that no matter how many foldable displays are connected together or to a main part of a portable computer, all of them comprise some internal electronic components which all-together form said portable computer. Third: It is inherent that any dysfunctional foldable LCD display in the device by Haneda et al (or in any other portable computer described in the presented by the examiner Prior Art) being detached, fixed and attached back would represent the same module with the same set or parts; as well as any foldable LCD display being detached, upgraded and attached back would represent the new module with different set or parts. Hence, applicant's amendment has not improved patentability of the instant application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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3. Claims 1-5, 8 -20 are rejected under 35 U.S.C. 102(b) as being anticipated by Haneda et al.

Haneda et al teach a system, Figs.1-19, comprising: at least two modules 1 and 2 coupled to one another, each of them having a display screen 3 and 4 respectively and a set of internal components together forming a computer; wherein a display screen 4 of a first module 2 and a display screen 3 of a second module 1 either form a first viewing area when they are placed adjacent to each other (See Fig.3), or form a second viewing area when the first module is folded over the second module such that the display screen 4 of the first module 2 is visible (See Fig.5), or are folded such that neither the display screen of the first module nor the display screen of the second module are visible (See Fig.4) and when a low power-consumption mode is set (See col.11, lines 39-49). Haneda et al teach furthermore said display screens being touch screen and a pen input devices (Col.5, lines 30-35); and said system comprising means for activating applications corresponding to a type of viewing area formed by the first and second display screens (col.5, line 20 through col.col.12, line 39). Regarding to the claims 9-17: The method steps are inherently necessitated by the device structure as Haneda et al disclose it.

4. Claims 21-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Wang et al.

Wang et al teach a system, Figs.1-13, comprising: a planar display 10 formed by joining two modules 20, wherein each of the two modules providing a proportionate amount of the planar display, and wherein each of the two modules having a set of internal

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components to form a computer located behind the planar display. Wang et al teach furthermore said two modules being folded to form a different pocket size shape of the computer (See Fig.8).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haneda et al in view of Truchet.

Haneda et al teach all the limitations of the claim except said system further comprises keyboard simulation software. Applicant has not provided any specific details of such software, merely indicating only its presence. Keyboard simulating software (so called "tactile keyboards") is well known in the art. Truchet teaches a display having a tactile keyboard features provided by special software. It would have been obvious to one skilled in the art at the time invention was made to include keyboard simulation software in the device by Haneda et al as it is shown by Truchet in order to enhance function capabilities of the device.

7. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haneda et al in view of Kikinis et al.

Haneda et al teach all the limitations of the claim except the first module of said system further comprises a wireless communication device and a voice recording device.

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Applicant has not provided any specific details of such a devices, merely indicating only their presence. Portable computers comprising wireless communication devices and voice recording devices are well known in the art. Kikinis et al teach a portable computer, Figs.1-30, comprising wireless communication device and voice recording device. It would have been obvious to one skilled in the art at the time invention was made to include a wireless communication device and voice recording device in the device by Haneda et al as it is shown by Kikinis et al in order to enhance function capabilities of the device.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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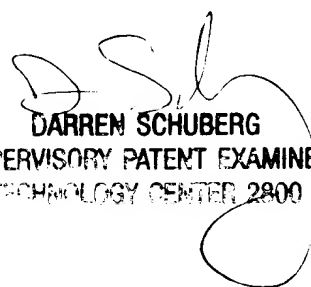
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Datskovsky whose telephone number is (703) 306-4535. The examiner can normally be reached on Mn - Fry 8 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E. Schuberg can be reached on (703) 308-4815. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

M.D.

November 15, 2002


DARREN SCHUBERG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800